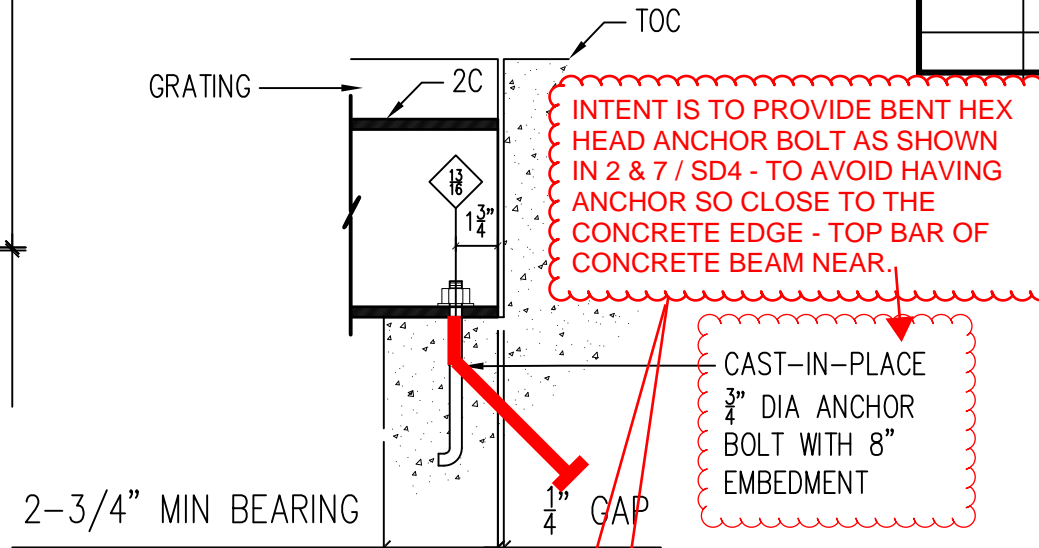
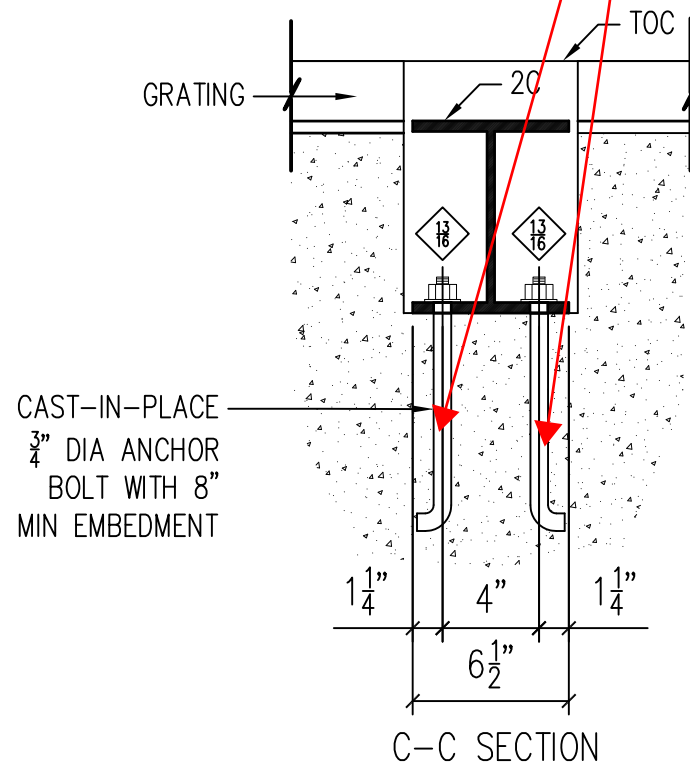
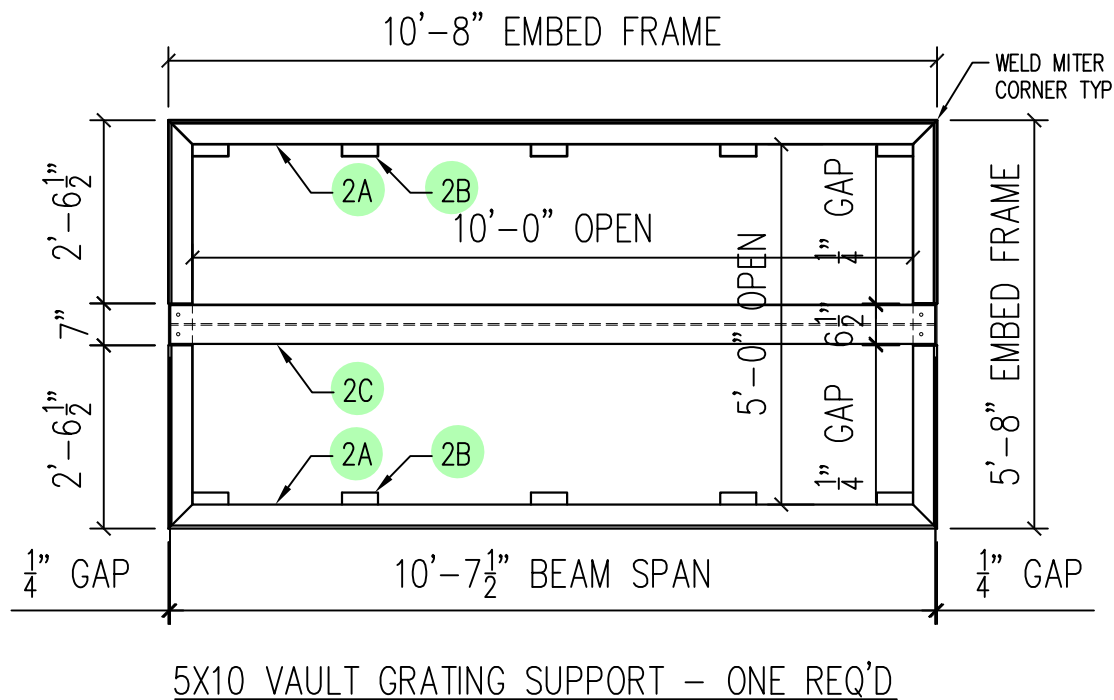


A-A SECTION



B-B SECTION



C-C SECTION

BILL OF MATERIAL

GRATING: 3 1/2" X 5 1/8" 19H4 HEAVY DUTY STEEL BAR GRATING (40#PSF), SMOOTH, TRIM BAND 3 1/2" X 5 1/8" (3.719#PLF), GALVANIZED (X1.03)

MARK NO.	QUA	WIDTH	SPAN	QTY	WT	MATERIAL
1A	1	28 13/16"	5'-6"	13 SF	528#	WITH 1/2" PIPE HINGE
1B	4	24 1/16"	5'-6"	44 SF	1765#	
				26 LF	96#	TRIM BAND
	32				2#	GALV ROUND TOPS
	32				1#	GALV 4" TEKS
				57 SF	2460#	TOTAL WEIGHT
					3#	TOTAL WEIGHT

- ☐ CONFORMS TO DESIGN CONCEPT
- ☒ CONFORMS TO DESIGN CONCEPT WITH REVISIONS AS SHOWN
- ☐ NON-CONFORMING - REVISE AND RESUBMIT
- THIS SHOP DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY AND DOES NOT RELIEVE THE FABRICATOR/VENDOR OF RESPONSIBILITY FOR CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS ALL OF WHICH HAVE PRIORITY OVER THIS SHOP DRAWING.
- By: **BJM** Date: **02/25/2016**
- CT ENGINEERING INC**

REV	DATE	DESCRIPTION:
B	00/00/00	APPROVED/RELEASED FOR FABRICATION
A	00/00/00	REVISED PER SUBMITTAL COMMENTS
0	02/15/16	FOR SUBMITTAL APPROVAL

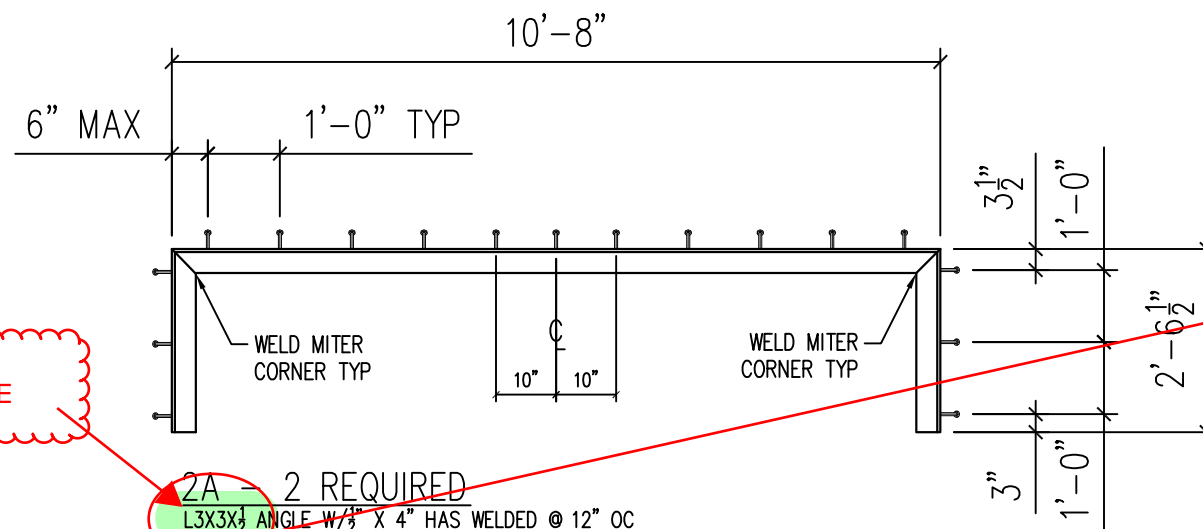
NORTHWEST GRATING PRODUCTS

9230 4th Avenue S. "GRATE SOLUTIONS"

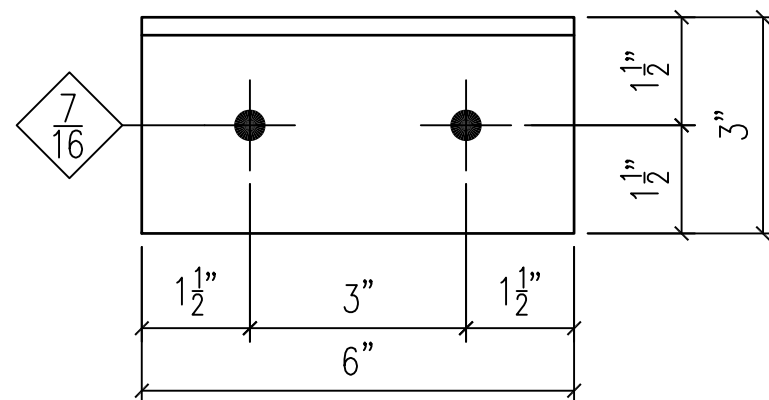
Seattle, WA 98108 Ph: (800) 447-4308

www.nwgrating.com Fx: (206) 763-6277

JUANITA FARMHOUSE			
CUSTOMER ARH & ASSOCIATES			
DRAWN JH	CHKD GL	JOB NO 47484	REV 0
DATE 02/15/16			DWG NO 1 OF 2

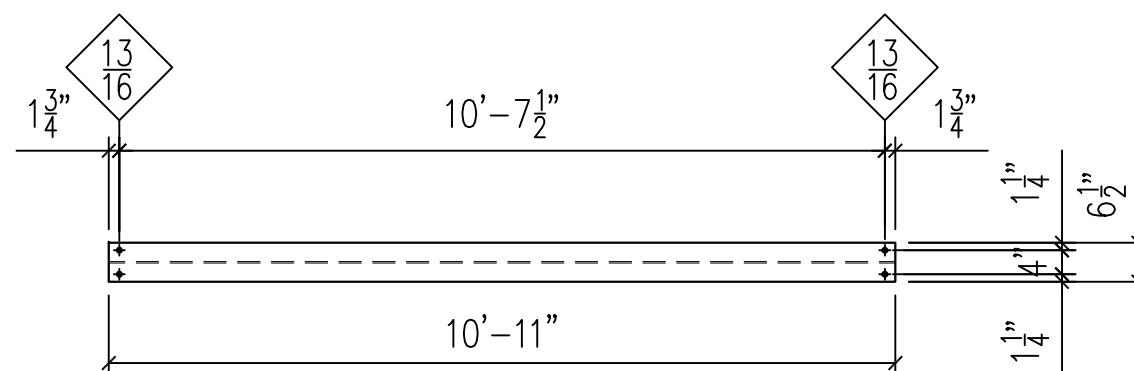


GRATING SUPPORTS: MISCELLANEOUS STEEL & HARDWARE AS NOTED						
2A	2	15'-4 3/4"	32 LF	208#	L4X4X1/2	(6.6#PLF)
2B	10	0'-6"	5 LF	21#	L3X2X1/4	(4.1#PLF)
2C	1	10'-7 1/2"	11 LF	298#	W8X28	
	34			4#	1/2X4 HAS	(0.11#EA)
	20			3#	3/8X4 CONC EXPANSION BOLTS	(0.13#EA)
	4			6#	3/4X10 BENT ANCHOR BOLT	(1.55#EA)
MISC	13			547#	TOTAL WEIGHT	
HRDWR	24			9#	TOTAL WEIGHT	



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By: **BJM** Date: **02/25/2016**
CT ENGINEERING INC




EXPANSION ANCHORS SHALL BE STAINLESS STEEL

ALL STRUCTURAL STEEL AND ANCHOR BOLTS TO BE HOT DIP GALVANIZED.

BJM

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	00/00/00	APPROVED/RELEASED FOR FABRICATION
	00/00/00	REVISED PER SUBMITTAL COMMENTS
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CUSTOMER		ARH & ASSOCIATES	
DRAWN	JH	CHKD	GL
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		DWG NO	2 OF 2